



MIAMI-DADE COUNTY
DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/pera/

Weather Shield Manufacturing, Inc.
One Weather Shield Plaza
Medford, WI 54451

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "1206 Casement" Outswing Aluminum Clad Wood Casement Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **1583**, titled "1206 Aluminum Clad Wood Impact Casement Window", sheets 1 through 9 of 9, dated 02/04/09 with revision A2 dated 11/02/11, prepared by W.W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA **revises NOA # 09-0326.04** and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



NOA No. 11-1128.02
Expiration Date: July 01, 2014
Approval Date: February 16, 2012
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **1583**, Sheets 1 through 9 of 9, titled "1206 Aluminum Clad Wood Impact Casement Window" dated 02/04/09 with revision A2 dated 11/02/11, prepared by W.W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of alum. clad wood casement and fixed window, prepared by Stork Twin City Testing Corporation, Test Report No. **TCTCW-180-7778.1A** dated 12/09/08, signed and sealed by Tom Kolden, P.E.
(Submitted under previous NOA# 09-0326.04)
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of alum. clad wood casement and fixed window, prepared by Stork Twin City Testing Corporation, Test Report No. **TCTCW-180-7778.2A**, dated 12/09/08, signed and sealed by Tom Kolden, P.E.
(Submitted under previous NOA# 09-0326.04)
3. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of aluminum clad wood casement window, prepared by Stork Twin City Testing Corporation, Test Report No. **TCTCW-180-7778.8A**, dated 12/09/08, signed and sealed by Tom Kolden, P.E.
(Submitted under previous NOA# 09-0326.04)


Manuel Perez, P.E.
Product Control Examiner
NOA No. 11-1128.02

Expiration Date: July 01, 2014
Approval Date: February 16, 2012

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS (CONTINUED)

4. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of alum. clad wood fixed casement window, prepared by Stork Twin City Testing Corporation, Test Report No. **TCTCW-180-7779.3A**, dated 12/11/08, signed and sealed by Tom Kolden, P.E.
(Submitted under previous NOA# 09-0326.04)
5. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of aluminum clad wood fixed casement window, prepared by Stork Twin City Testing Corporation, Test Report No. **TCTCW-180-7779.4A** dated 12/11/08, signed and sealed by Tom Kolden, P.E.
(Submitted under previous NOA# 09-0326.04)
6. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of aluminum clad wood fixed casement window, prepared by Stork Twin City Testing Corporation, Test Report No. **TCTCW-180-7779.5A**, dated 12/11/08, signed and sealed by Tom Kolden, P.E.
(Submitted under previous NOA# 09-0326.04)
7. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of aluminum clad wood fixed casement window, prepared by Stork Twin City Testing Corporation, Test Report No. **TCTCW-180-7779.6A**, dated 12/11/08, signed and sealed by Tom Kolden, P.E.
(Submitted under previous NOA# 09-0326.04)


Manuel Perez, P.E.

Product Control Examiner
NOA No. 11-1128.02

Expiration Date: July 01, 2014

Approval Date: February 16, 2012

Weather Shield Manufacturing, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS (CONTINUED)

8. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of aluminum clad wood fixed casement window, prepared by Stork Twin City Testing Corporation, Test Report No. **TCTCW-180-7779.7A**, dated 12/11/08, signed and sealed by Tom Kolden, P.E.
(Submitted under previous NOA# 09-0326.04)
9. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of aluminum clad wood fixed casement window, prepared by Stork Twin City Testing Corporation, Test Report No. **TCTCW-180-7779.11A**, dated 12/11/08, signed and sealed by Tom Kolden, P.E.
(Submitted under previous NOA# 09-0326.04)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2007 and FBC-2010, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated 9/22/06, and updated on 11/02/11, signed and sealed by Warren W. Schaefer, P.E.
2. Glazing complies with ASTM E1300-04.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA).

E. MATERIAL CERTIFICATIONS

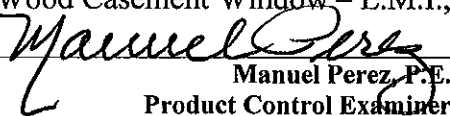
1. Notice of Acceptance No. **11-0624.02** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont SentryGlas® Interlayer**" dated 08/25/11, expiring on 01/14/17.
2. Notice of Acceptance No. **11-0325.05** issued to Solutia Inc. for their "**Saflex and Vanceva Clear and colored interlayers**" dated 05/05/11, expiring on 05/21/16.

F. STATEMENTS

1. Statement letter of conformance, complying with FBC-2007 and FBC-2010, dated November 02, 2011, signed and sealed by Warren W. Schaefer, P.E.
2. Statement letter of no financial interest, dated November 01, 2011, signed and sealed by Warren W. Schaefer, P.E.

G. OTHERS

1. Notice of Acceptance No. **09-0326.04**, issued to Weather Shield Manufacturing, Inc. for their Series "1206 Casement" Aluminum Clad Wood Casement Window – L.M.I., approved on 07/01/09 and expiring on 07/01/14.


Manuel Perez, P.E.
Product Control Examiner

NOA No. 11-1128.02

Expiration Date: July 01, 2014

Approval Date: February 16, 2012

1. THESE WINDOW SYSTEMS HAVE BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S).
2. OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & SHALL NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
4. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR WATER, AIR, IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH THE FLORIDA BUILDING CODE PROTOCOLS TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT WINDOWS.
5. THESE WINDOW SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH AND MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ).
6. IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE WINDOWS.
7. ALL ANCHORS SECURING WINDOW FRAME TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
8. DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, A DIRECTIONALITY FACTOR OF $K_d = 0.85$ MAY BE APPLIED PER THE ASCE 7 STANDARD.
9. NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE CERTIFICATION OF THIS PRODUCT. WIND LOAD DURATION FACTOR $C_d = 1.6$ WAS USED FOR WOOD SCREW ANALYSIS ONLY.
10. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE CHAPTER 20.
11. ALL WOOD MEMBERS OF WINDOWS THAT MAY POSSIBLY COME INTO CONTACT WITH MASONRY OR CONCRETE SUBSTRATES, ARE SUBJECT TO MOISTURE &/OR ARE SUBJECT TO THE OUTSIDE ENVIRONMENT SHALL BE OF AN APPROVED DURABLE SPECIES OR BE TREATED IN AN APPROVED METHOD WITH AN APPROVED PRESERVATIVE PER FBC SECTION 2326.

FRAME HEAD: THE SIDE WOOD MEMBERS ARE RABBETED & BUTTED TO THE HEAD MEMBER, SECURED WITH TWO(2) 18 GA. 7/16 X 1 3/4" STAPLES THROUGH THE HEAD INTO THE JAMB & ONE(1) 18 GA. 7/16 X 1 3/4" STAPLE THROUGH THE JAMB INTO THE HEAD.

FRAME SILL: THE SIDE WOOD MEMBERS ARE RABBETED & BUTTED TO THE SILL MEMBER, SECURED WITH TWO(2) 18 GA. 7/16 X 1 3/4" STAPLES & ONE(1) NO. 6 X 1 5/8" THROUGH THE SILL INTO THE JAMB & ONE(1) 18 GA. 7/16 X 1 3/4" STAPLE THROUGH THE JAMB INTO THE SILL. CORNERS ARE SEALED WITH A GASKET.

SASH: MEMBERS ARE MORTISED & TENONED AND SECURED WITH ONE(1) 14 GA. X 2 1/2" FINISH NAIL THROUGH THE STILE INTO THE RAIL & ONE(1) 14GA. X 1 3/4" FINISH NAIL & ONE(1) NO. 8 X 2 1/2" PFH SS SMS SCREW THROUGH THE RAIL INTO THE STILE.

FRAME CLAD: MEMBERS ARE MITERED TOGETHER & JOINED WITH A CORNER KEY PART NO. 16 WITH A NO. 6 X 1 1/4" PFH SS SMS SCREW..

SASH CLAD: MEMBERS ARE MITERED TOGETHER & SECURED WITH ONE(1) NO. 6 X 1 3/4" SMS SCREW.

OPENING TYPE (SUBSTRATE)	FRAME/CLIP/NAIL FIN TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
FRAME SCREWS			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 10 SMS OR WOOD SCREW	1 1/4"	3/4"
MIN. 18 GA. 33 KSI METAL STUD	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
C-90 CMU/2500 PSI CONCRETE	(1) 1/4" CONCRETE SCREW	1 1/4"	2"
(2) NAILING FIN FASTENERS			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 8 X 1 1/2" SMS	1 3/8"	1/2"
MIN. 1/8" THK A36 STEEL	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 8 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"

(1) CONCRETE SCREWS SHALL BE ELCO ULTRACONS, ITW RAMSET/RED HEAD TAPCONS, HILTI KWIK-CON II OR POWERS RAWL TAPPER (HARDENED STEEL OR S.S.).

(2) WHEN SCREWS ARE USED WITH THE NAIL FIN, THEY MUST BE A WAFFLE HEAD SCREW OR HAVE A FLAT WASHER AT THE SCREW HEAD.



SEE "CORNER—
CONSTRUCTION"
DESCRIPTION ON
THIS SHEET

SCALE: 3/4" = 1'-0"
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 11-1128.02
Expiration Date July 1, 2014
By Mamuel Eze
Miami/Dade Product Control

ALLOWABLE DESIGN PRESSURE
(ALL WINDOW CONDITIONS)
+55/-70 PSF

SNUBBER REQUIREMENTS
(ALL WINDOW CONDITIONS)
3 PER WINDOW

LOCK REQUIREMENTS (ALL WINDOW CONDITIONS)	
FRAME HEIGHT (IN.)	QUANTITY PER PANE
OVER 44 1/8	2
44 1/8 & LESS	1

THESE DRAWINGS ARE APPLICABLE ONLY TO THE PRODUCT SPECIFIED. THEY MAY NOT BE USED FOR THE ASSEMBLY AND/OR INSTALLATION OF ANY OTHER PRODUCT NOR MAY THEY BE USED FOR NATIONAL AND/OR LOCAL APPROVAL OF ANY PRODUCT NOT PRODUCED BY THE MANUFACTURER STATED ON THESE DRAWINGS.

						DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
						PLOT: 1=16	DATE: 02/04/09
NO.	REVISION DESCRIPTION	BY W.R.M.	DATE 11/02/11				
A1	UPDATE TO CURRENT STANDARDS						
A2	EDIT GLAZING COMBINATIONS						

1206 ALUMINUM CLAD WOOD IMPACT CASEMENT WINDOW

SHIELD WINDOWS & DOORS
WEATHER SHIELD PLAZA
MEDFORD, WI 54451
715-748-6555

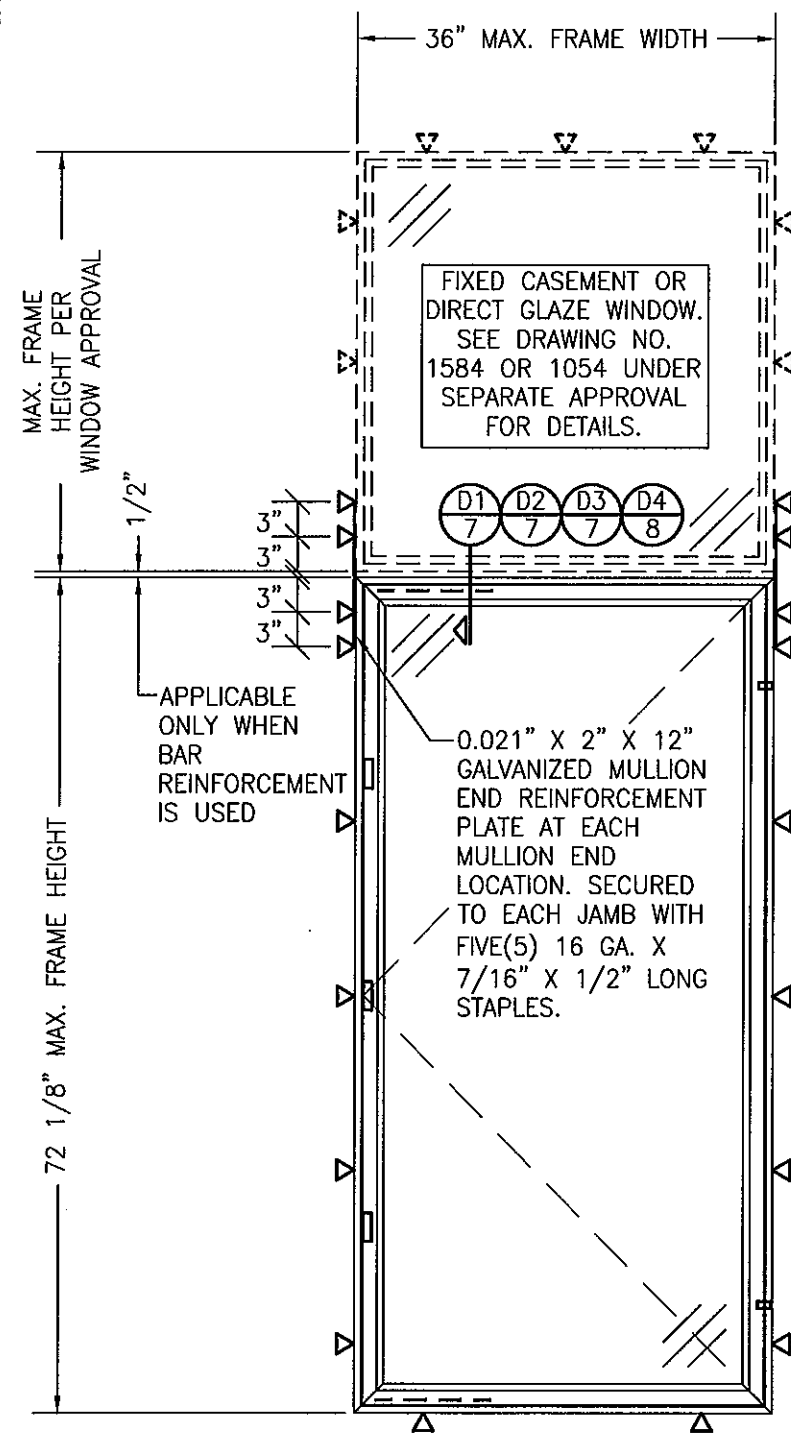
CONSULTANTS
W. W. SCHAEFER ENGINEERING
& CONSULTING, P.A. (CA 6809))
7480 150TH COURT NORTH
PALM BEACH GARDENS, FL 33418
PHONE: 561-246-7400

NOTIFICATION

~~NOV 22 2011~~

WARREN W. SCHAEFER, P.E.

DRAWING NO.	REV
1583	A
SHEET NO.	
1	OF 9



**EXTERIOR ELEVATION:
SINGLE CASEMENT WINDOW WITH TRANSOM
(FRAME SCREW MOUNT CONDITION)**

SCALE: 3/4" = 1'-0"

(FOR ALL DETAIL NOT SHOWN, SEE SINGLE WINDOW ELEVATION)

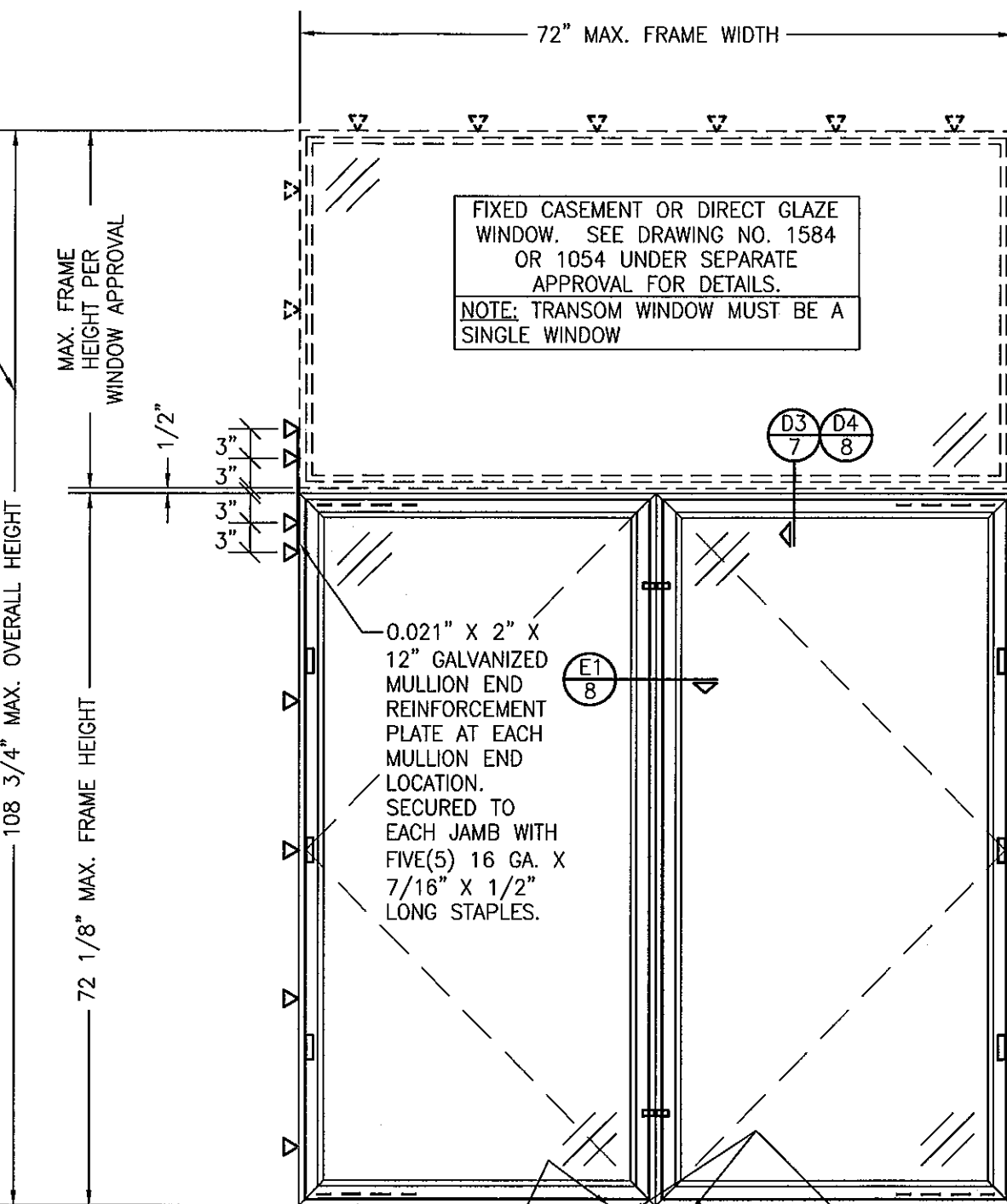
NOTE: SINGLE WINDOW WITH TRANSOM IS NOT LIMITED BY AN OVERALL UNIT HEIGHT

ADDITIONAL FRAME SCREWS WHERE SHOWN AT MULLION ENDS. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS.

SEE SINGLE WINDOW ELEVATION FOR FRAME ANCHOR REQUIREMENTS & POSITIONS AROUND WINDOW

FIXED CASEMENT OR DIRECT GLAZE WINDOW. SEE DRAWING NO. 1584 OR 1054 UNDER SEPARATE APPROVAL FOR DETAILS.

0.021" X 2" X 12" GALVANIZED MULLION END REINFORCEMENT PLATE AT EACH MULLION END LOCATION. SECURED TO EACH JAMB WITH FIVE(5) 16 GA. X 7/16" X 1/2" LONG STAPLES.



**EXTERIOR ELEVATION:
DOUBLE CASEMENT WINDOW WITH TRANSOM
(FRAME SCREW MOUNT CONDITION)**

SCALE: 3/4" = 1'-0"

(FOR ALL DETAIL NOT SHOWN, SEE SINGLE WINDOW ELEVATION)

FIXED CASEMENT OR DIRECT GLAZE WINDOW. SEE DRAWING NO. 1584 OR 1054 UNDER SEPARATE APPROVAL FOR DETAILS.
NOTE: TRANSOM WINDOW MUST BE A SINGLE WINDOW

ADDITIONAL FRAME SCREWS WHERE SHOWN AT MULLION ENDS. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS.

SEE SINGLE WINDOW ELEVATION FOR FRAME ANCHOR REQUIREMENTS & POSITIONS AROUND WINDOWS

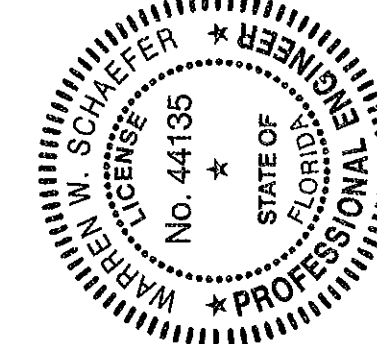
0.021" X 2" X 12" GALVANIZED MULLION END REINFORCEMENT PLATE AT EACH MULLION END LOCATION. SECURED TO EACH JAMB WITH FIVE(5) 16 GA. X 7/16" X 1/2" LONG STAPLES.

0.021" X 2" X 12" GALVANIZED MULLION END REINFORCEMENT PLATE AT SILL MULLION END LOCATION. SECURED TO EACH JAMB WITH FIVE(5) 16 GA. X 7/16" X 1/2" LONG STAPLES.

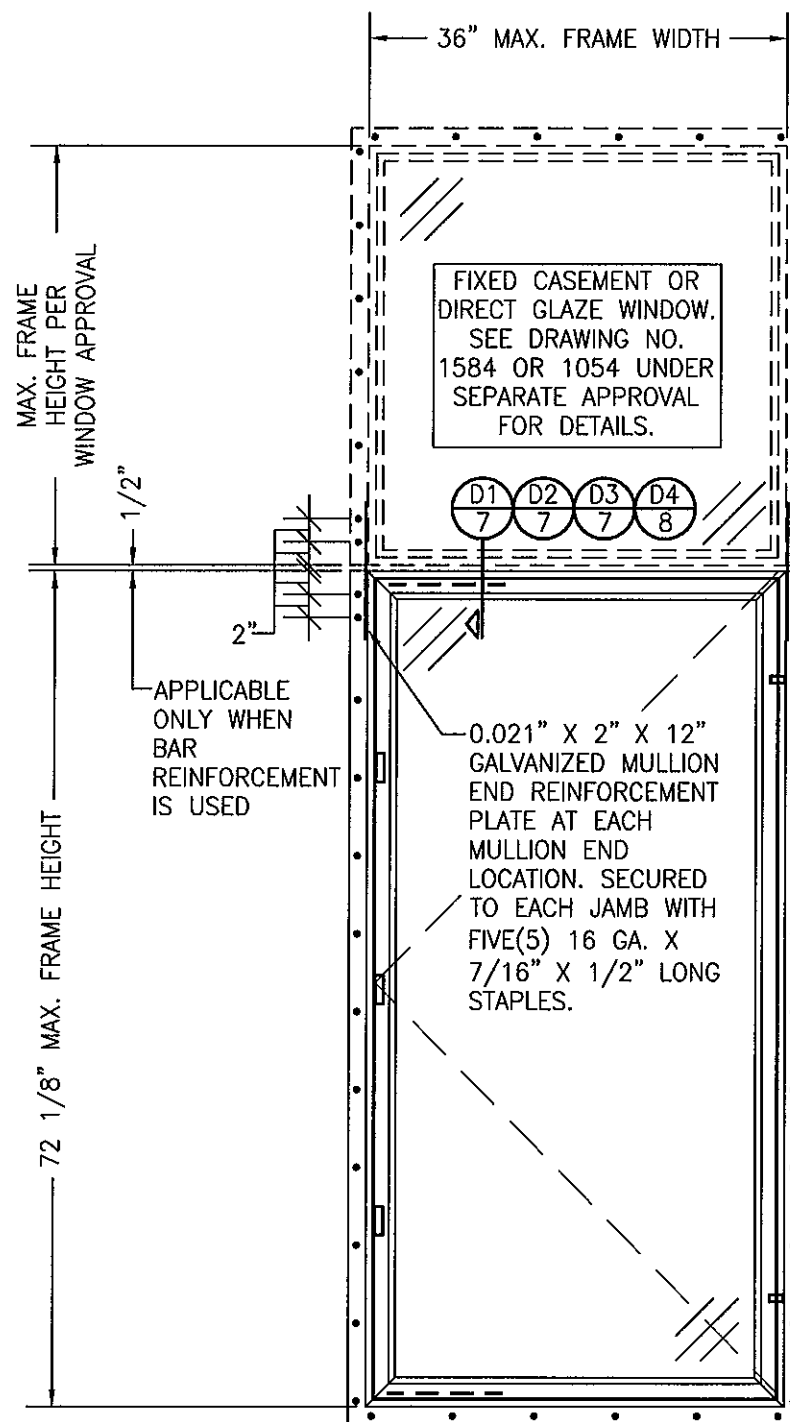
ADDITIONAL FRAME SCREWS WHERE SHOWN AT MULLION ENDS. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS.

PRODUCT REVISED as complying with the Florida Building Code
Acceptance No. 13-1128.02
Expiration Date July 1, 2014
By *Maurice Perez*
Miami Dade Product Control

ALLOWABLE DESIGN PRESSURE
SEE PRESSURE TABLE ON SHEET 1



DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1-16	DATE: 02/04/09
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE 1206 ALUMINUM CLAD WOOD IMPACT CASEMENT WINDOW	MANUFACTURER WEATHER SHIELD WINDOWS & DOORS ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)	7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424
CERTIFICATION NOV 02 2011	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1583	REV. A
SHEET NO. 2	OF 9



**EXTERIOR ELEVATION:
SINGLE CASEMENT WINDOW WITH TRANSOM
(FIN MOUNT CONDITION)**

SCALE: 3/4" = 1'-0"

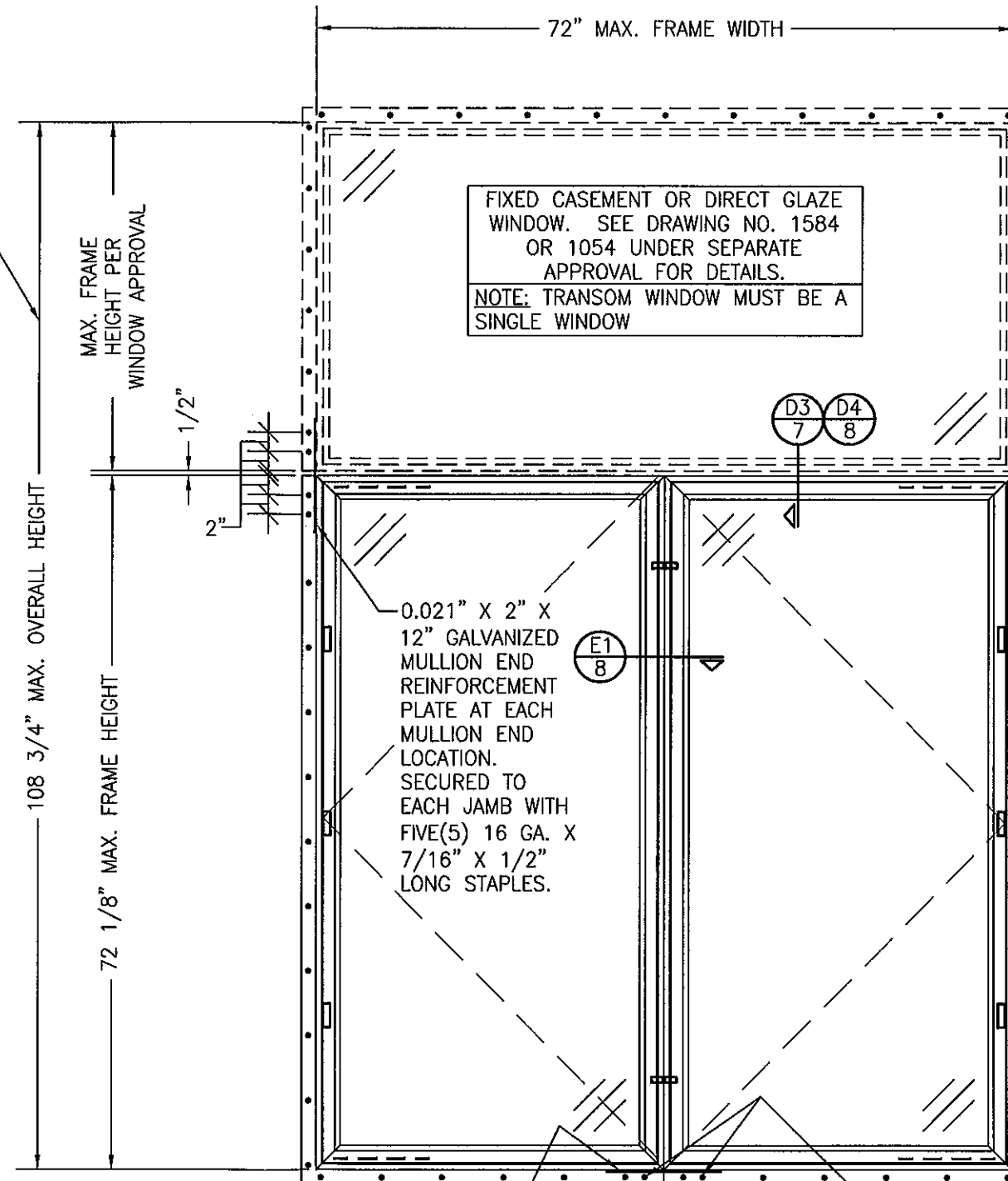
(FOR ALL DETAIL NOT SHOWN, SEE SINGLE WINDOW ELEVATION)

NOTE: SINGLE WINDOW WITH TRANSOM IS NOT LIMITED BY AN OVERALL UNIT HEIGHT

CLUSTER FIN FASTENERS AT MULLION ENDS SUCH THAT THERE ARE A TOTAL OF 4 POSITIONED AS SHOWN. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS.

SEE SINGLE WINDOW ELEVATION FOR FIN FASTENER REQUIREMENTS & POSITIONS AROUND WINDOW

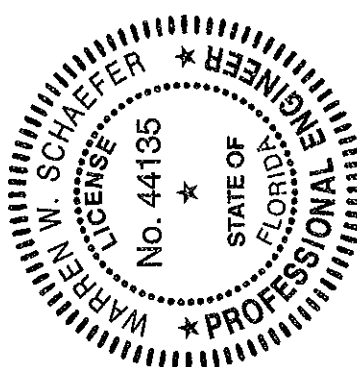
ALLOWABLE DESIGN PRESSURE
SEE PRESSURE TABLE ON SHEET 1



**EXTERIOR ELEVATION:
DOUBLE CASEMENT WINDOW WITH TRANSOM
(FIN MOUNT CONDITION)**

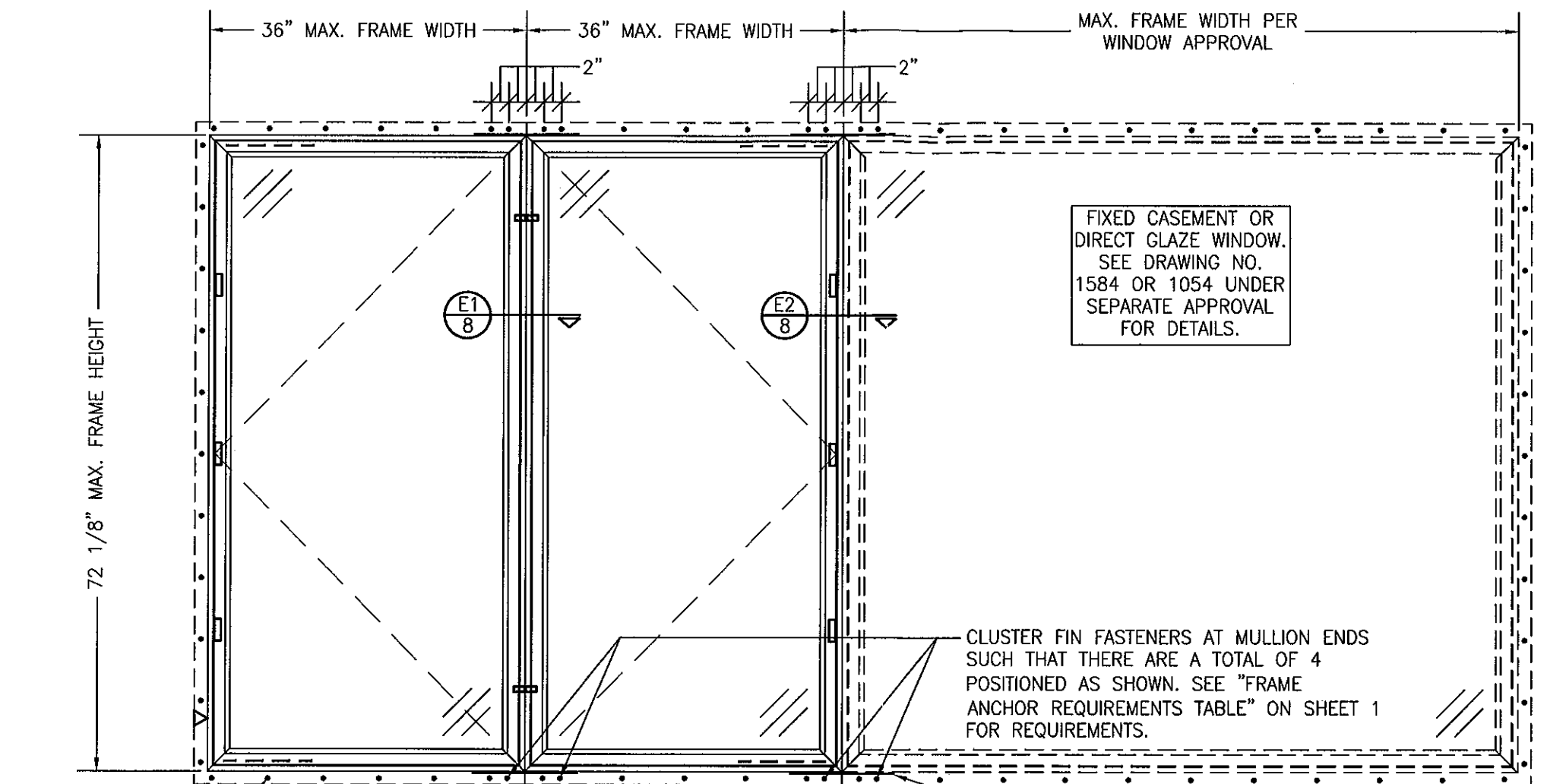
SCALE: 3/4" = 1'-0"

(FOR ALL DETAIL NOT SHOWN, SEE SINGLE WINDOW ELEVATION)



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-1128.02
Expiration Date July 1, 2014
By *Warren W. Schaefer*
Miami Dade Product Control

DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1-18	DATE: 02/04/09
NO.	DATE
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE 1206 ALUMINUM CLAD WOOD IMPACT CASEMENT WINDOW	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	
MANUFACTURER WEATHER SHIELD WINDOWS & DOORS ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555	
CERTIFICATION NOV 02 2011 WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1583	REV. A
SHEET NO. 3	OF 9



SEE SINGLE WINDOW
ELEVATION FOR FIN FASTENER
REQUIREMENTS & POSITIONS
AROUND WINDOWS

**EXTERIOR ELEVATION:
MULTIPLE CASEMENT/FIXED WINDOW
(FIN MOUNT CONDITION)**

SCALE: 3/4" = 1'-0"

MULTIPLE UNIT NOTES:

1. FOR ALL DETAIL NOT SHOWN, SEE INDIVIDUAL WINDOW ELEVATION.
2. THERE IS NO LIMIT ON THE NUMBER OF WINDOWS THAT MAY BE COMBINED IN ONE DIRECTION INTO ONE OPENING PROVIDING THE OPENING IS DESIGNED TO SUPPORT ALL LOADS TRANSFERRED FROM THE WINDOWS & THEIR MULLIONS.
3. ANY COMBINATION OF FIXED/OPERABLE WINDOWS IN ONE OPENING SHALL APPLY.
4. INDIVIDUAL WINDOW SIZES SHALL BE RESTRICTED AS SPECIFIED IN THE SINGLE UNIT ELEVATION.

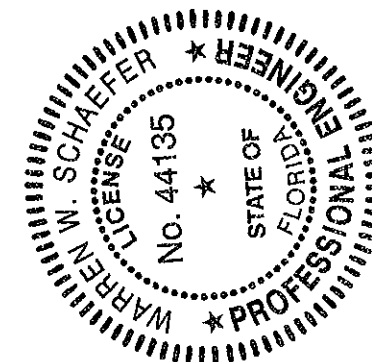
ALLOWABLE DESIGN PRESSURE
SEE PRESSURE TABLE ON SHEET 1

FIXED CASEMENT OR
DIRECT GLAZE WINDOW.
SEE DRAWING NO.
1584 OR 1054 UNDER
SEPARATE APPROVAL
FOR DETAILS.

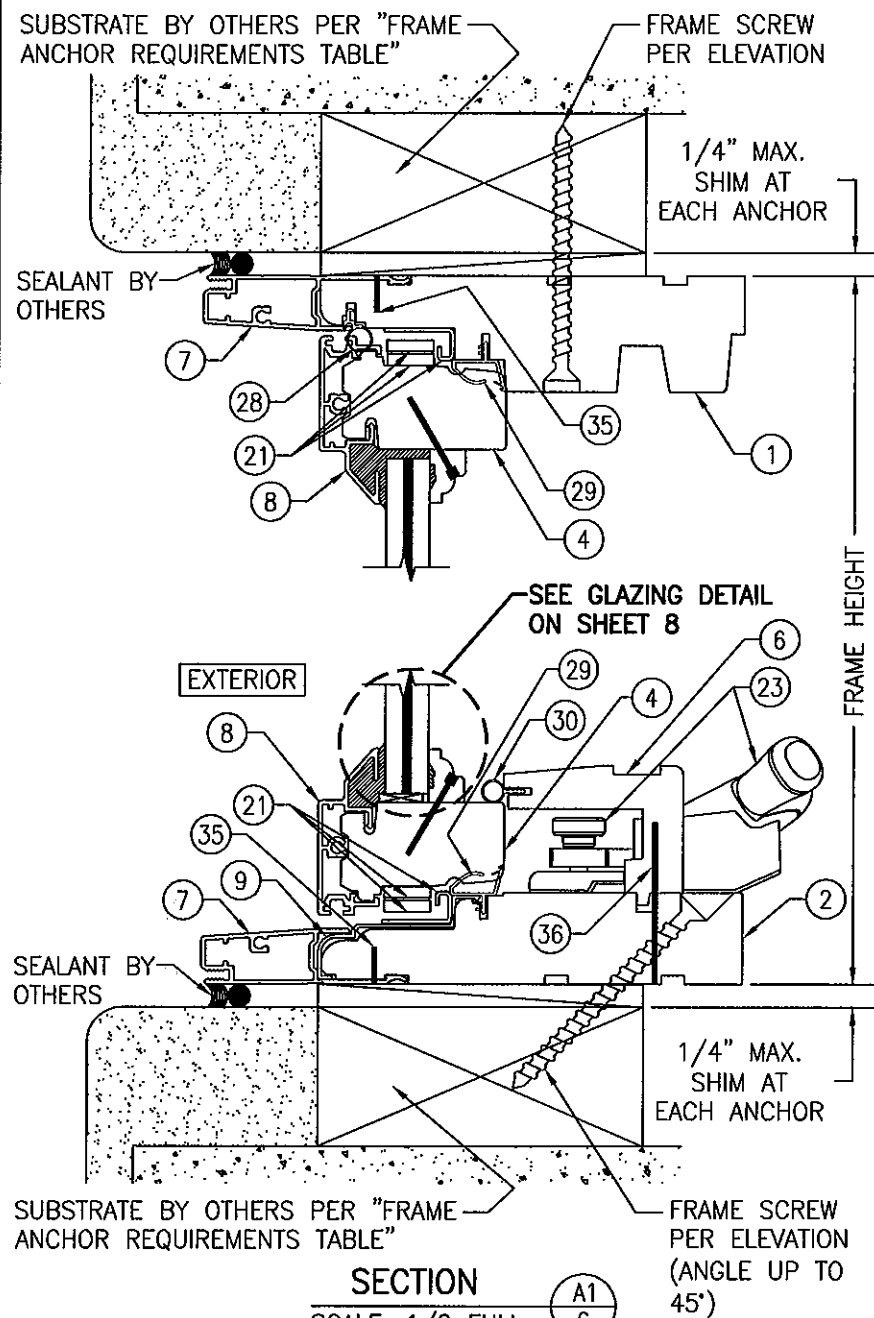
CLUSTER FIN FASTENERS AT MULLION ENDS
SUCH THAT THERE ARE A TOTAL OF 4
POSITIONED AS SHOWN. SEE "FRAME
ANCHOR REQUIREMENTS TABLE" ON SHEET 1
FOR REQUIREMENTS.

0.021" X 2" X 12" GALVANIZED MULLION END
REINFORCEMENT PLATE AT EACH MULLION END
LOCATION. SECURED TO EACH JAMB WITH FIVE(5)
16 GA. X 7/16" X 1/2" LONG STAPLES.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 11-1128-02
Expiration Date July 1, 2014
By *Manuel Pro*
Miami Dade Product Control

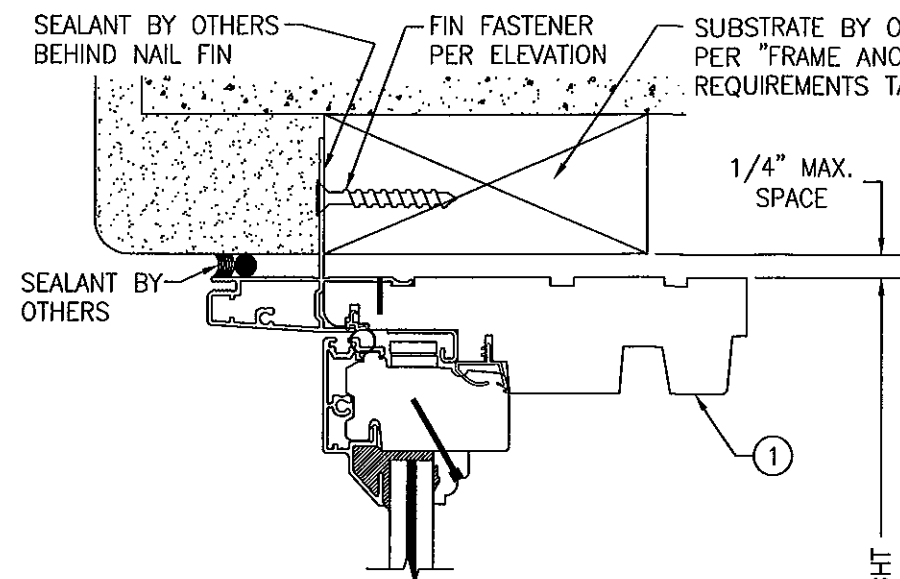


DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1-16		DATE: 02/04/09	
NO.	REVISION	DESCRIPTION	DATE
DRAWING TITLE 1206 ALUMINUM CLAD WOOD IMPACT CASEMENT WINDOW			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)		MANUFACTURER WEATHER SHIELD WINDOWS & DOORS ONE WEATHER SHIELD PLAZA MEDFORD, WI 54451 715-748-6555	
7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424			
CERTIFICATION NOV 02 2011 WARREN W. SCHAEFER, P.E. P.E. NO. 44135			
DRAWING NO. 1583		REV. A	
SHEET NO. 5		OF 9	



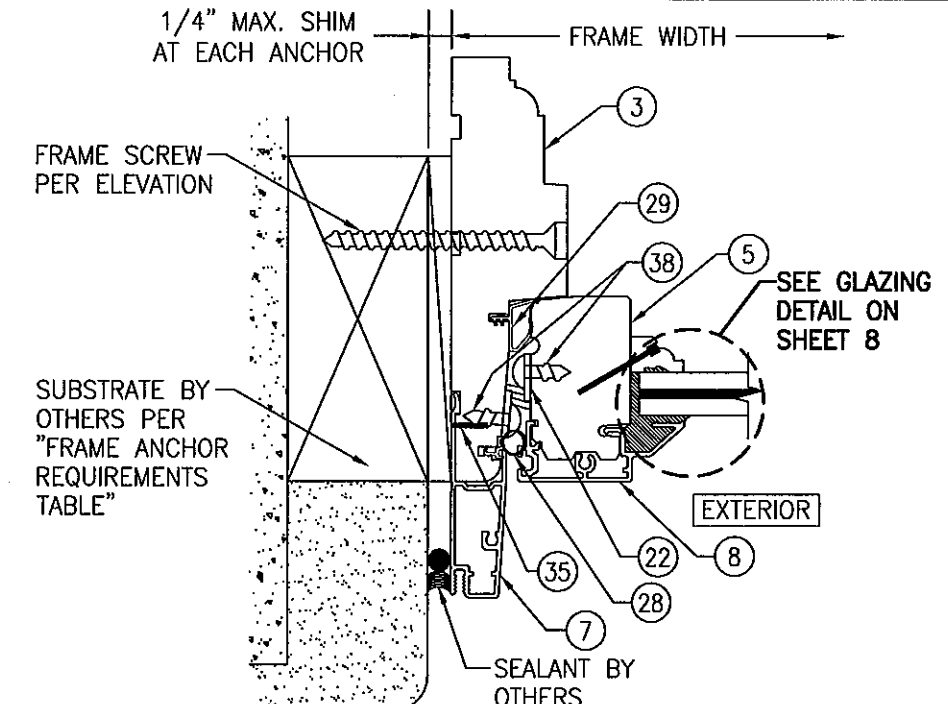
SECTION A1
SCALE: 1/2 FULL

FRAME SCREW MOUNT SHOWN. SEE DETAILS ON SHEET 8 FOR DIRECT MOUNT DETAIL.



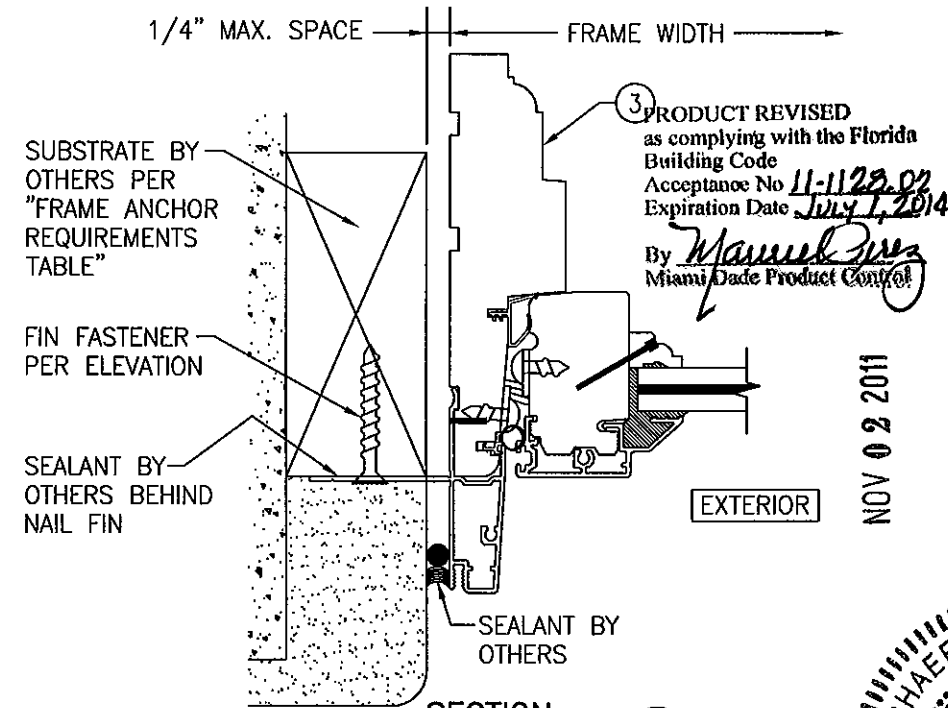
SECTION A2
SCALE: 1/2 FULL

(FIN MOUNT CONDITION)
(FOR DETAIL NOT SHOWN, SEE SECTION A1/6)



SECTION B1
SCALE: 1/2 FULL

FRAME SCREW MOUNT SHOWN. SEE DETAILS ON SHEET 8 FOR DIRECT MOUNT DETAIL.



SECTION B2
SCALE: 1/2 FULL

(FIN MOUNT CONDITION)
(FOR DETAIL NOT SHOWN, SEE SECTION B1/6)

DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 02/04/09	
NO.	REVISION	DESCRIPTION	DATE
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1206 ALUMINUM CLAD WOOD IMPACT CASEMENT WINDOW

MANUFACTURER: WEATHER SHIELD WINDOWS & DOORS
ONE WEATHER SHIELD PLAZA
MEDFORD, WI 54451
715-748-6555

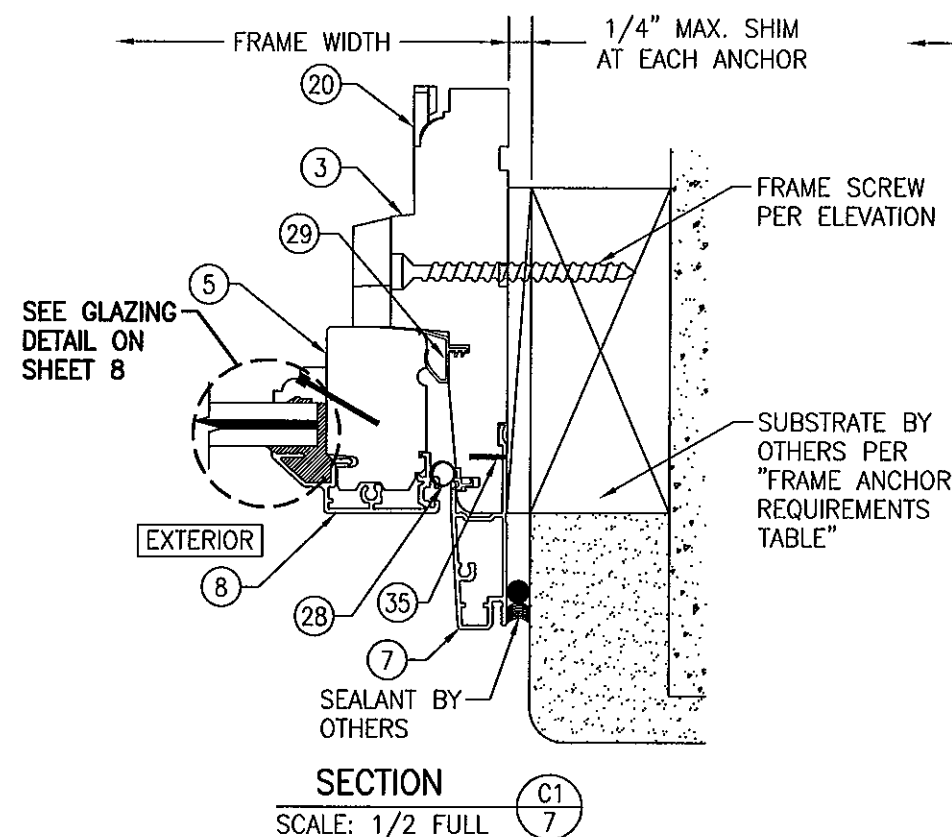
CONSULTANTS: W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)
7480 150TH COURT NORTH
PALM BEACH GARDENS, FL 33418
PHONE: 561-744-3424

PRODUCT REVISED as complying with the Florida Building Code
Acceptance No 11-1122-02
Expiration Date July 1, 2014
By *Maurice Perez*
Miami Dade Product Control

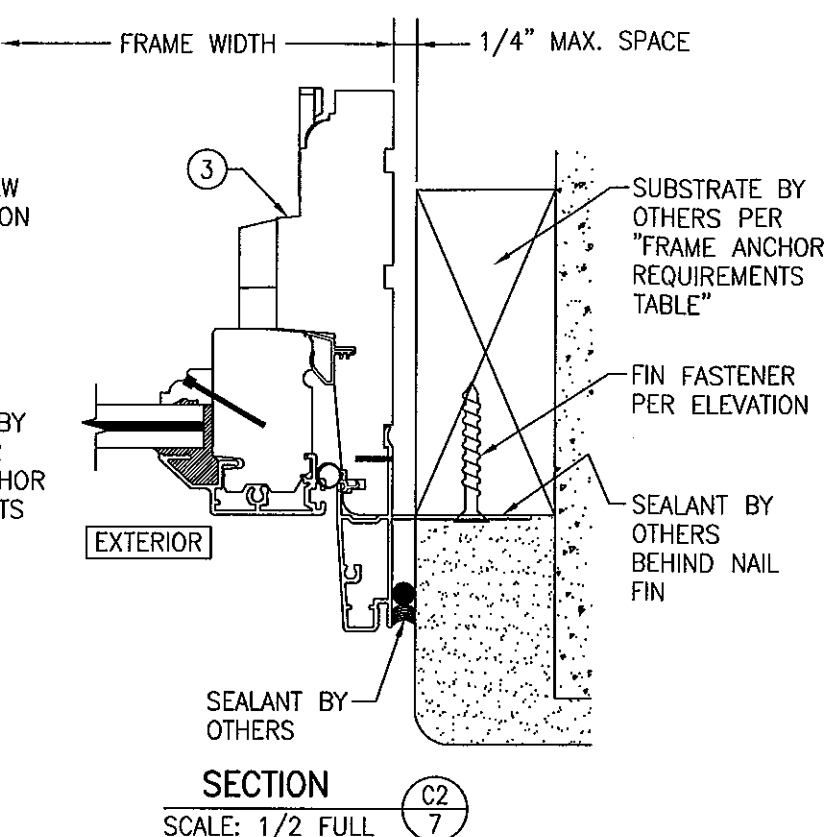
NOV 02 2011

W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)
7480 150TH COURT NORTH
PALM BEACH GARDENS, FL 33418
PHONE: 561-744-3424

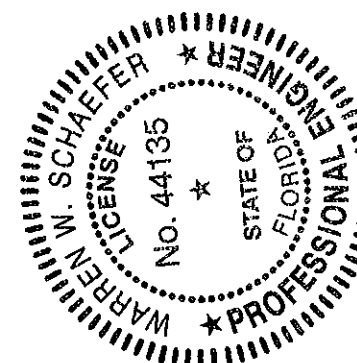
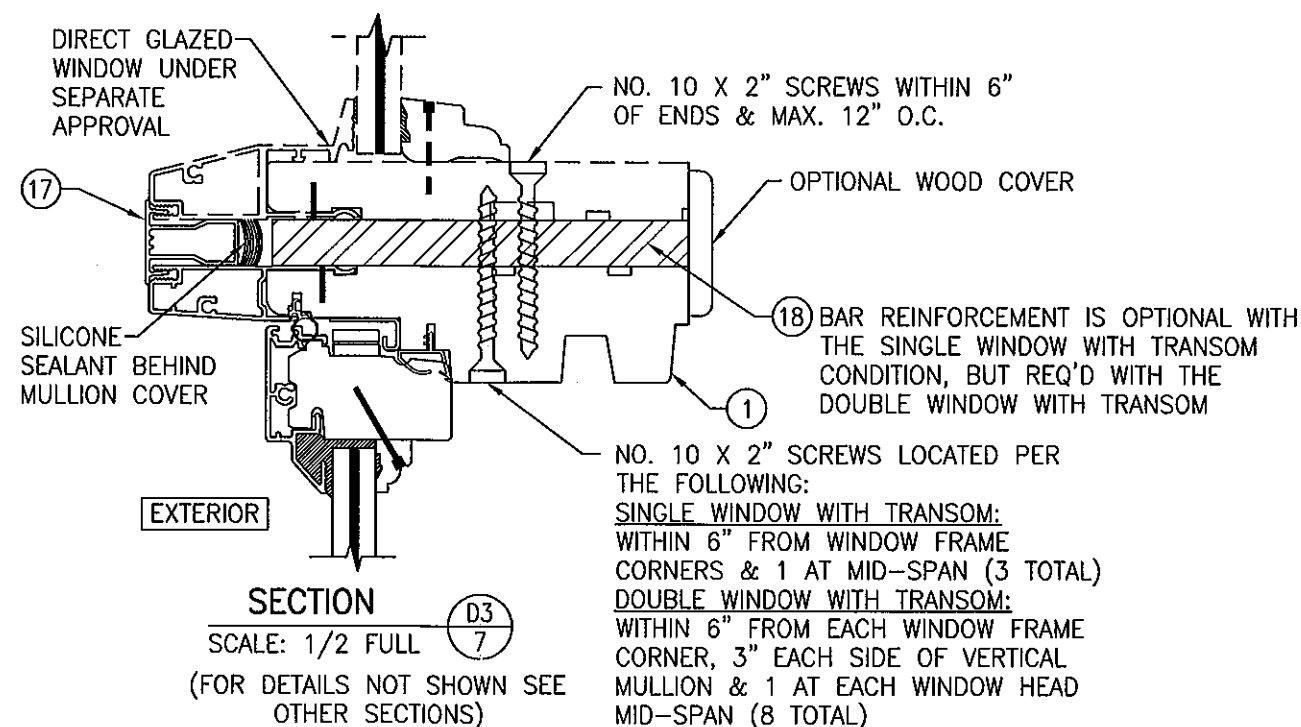
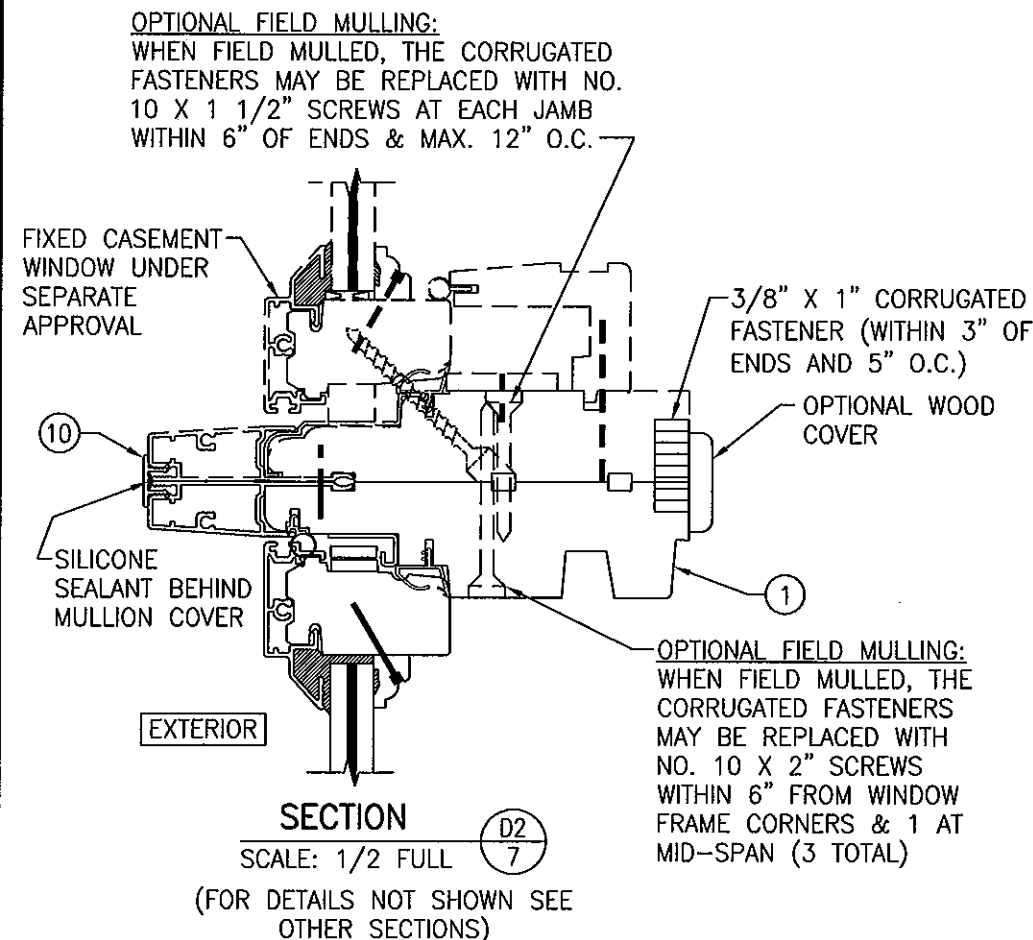
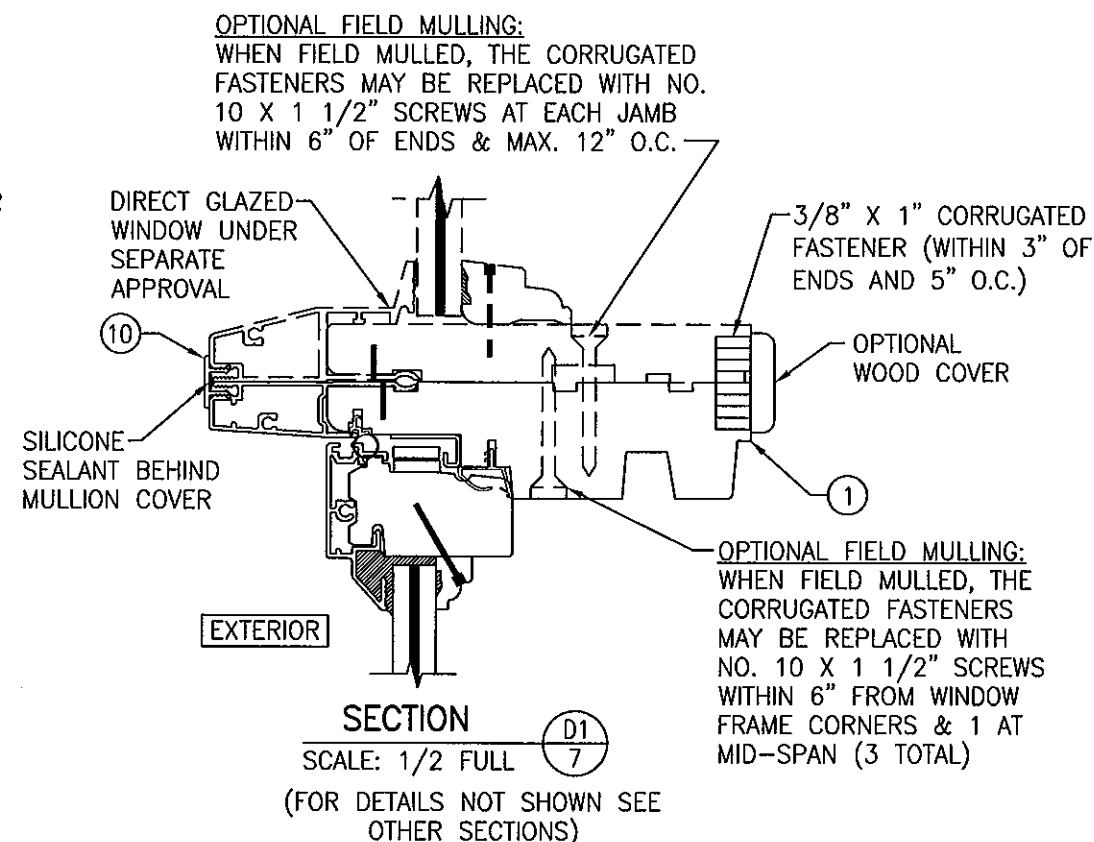
DRAWING NO. 1583
SHEET NO. 9



FRAME SCREW MOUNT SHOWN. SEE DETAILS ON SHEET 8 FOR DIRECT MOUNT DETAIL.

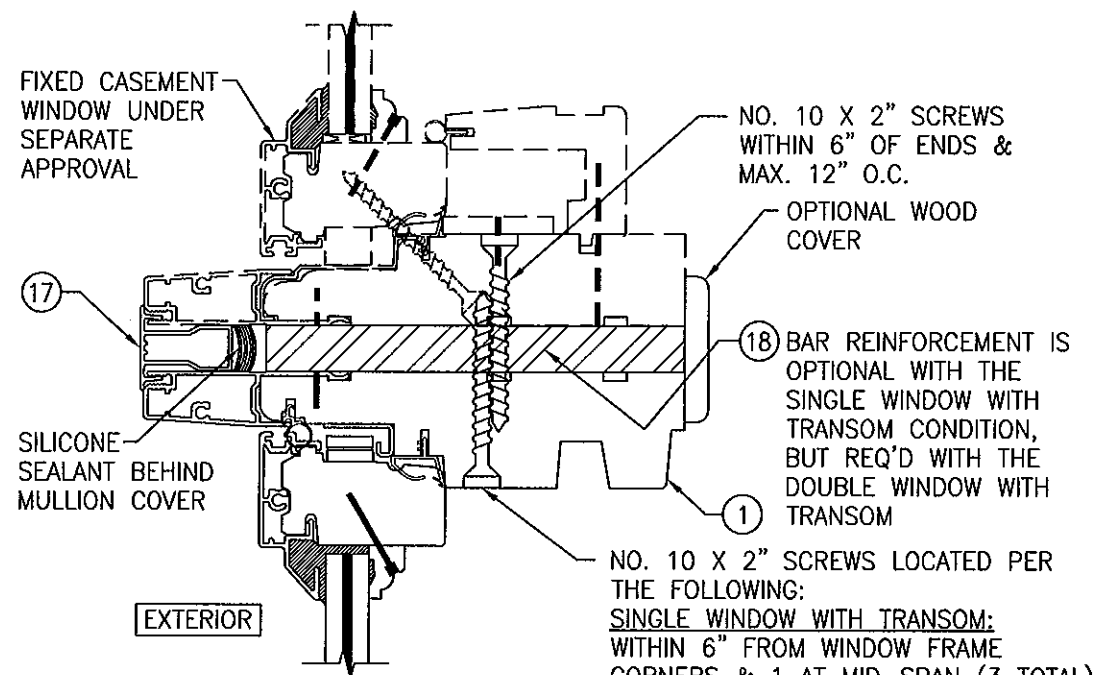


(FOR DETAIL NOT SHOWN, SEE SECTION C1/7)



PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 11-1128-02 Expiration Date July 1, 2014 By *Manuel Perez* Miami/Dade Product Control

DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 02/04/09
DATE	BY
REVISION DESCRIPTION	NO.
1206 ALUMINUM CLAD WOOD IMPACT CASEMENT WINDOW	
MANUFACTURER: WEATHER SHIELD WINDOWS & DOORS	
ONE WEATHER SHIELD PLAZA	
MEDFORD, WI 54451	
715-748-6555	
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)	
7480 150TH COURT NORTH	
PALM BEACH GARDENS, FL 33418	
PHONE: 561-744-3424	
CERTIFICATION	NOV 02 2011
WARREN W. SCHAEFER, P.E. NO. 44135	
DRAWING NO. 1583	REV. A
SHEET NO. 7	OF 9



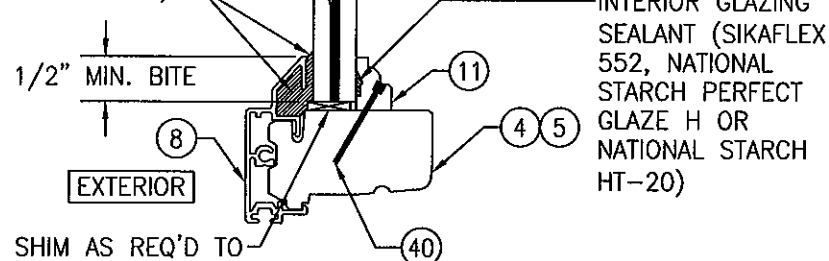
SECTION

SCALE: 1/2 FULL

(FOR DETAILS NOT SHOWN SEE OTHER SECTIONS)

NO. 10 X 2" SCREWS LOCATED PER THE FOLLOWING:
 SINGLE WINDOW WITH TRANSOM:
 WITHIN 6" FROM WINDOW FRAME CORNERS & 1 AT MID-SPAN (3 TOTAL)
 DOUBLE WINDOW WITH TRANSOM:
 WITHIN 6" FROM EACH WINDOW FRAME CORNER, 3" EACH SIDE OF VERTICAL MULLION & 1 AT EACH WINDOW HEAD MID-SPAN (8 TOTAL)

EXTERIOR GLAZING SEALANT (SIKAFLEX 552 OR NATIONAL STARCH PERFECT GLAZE H)

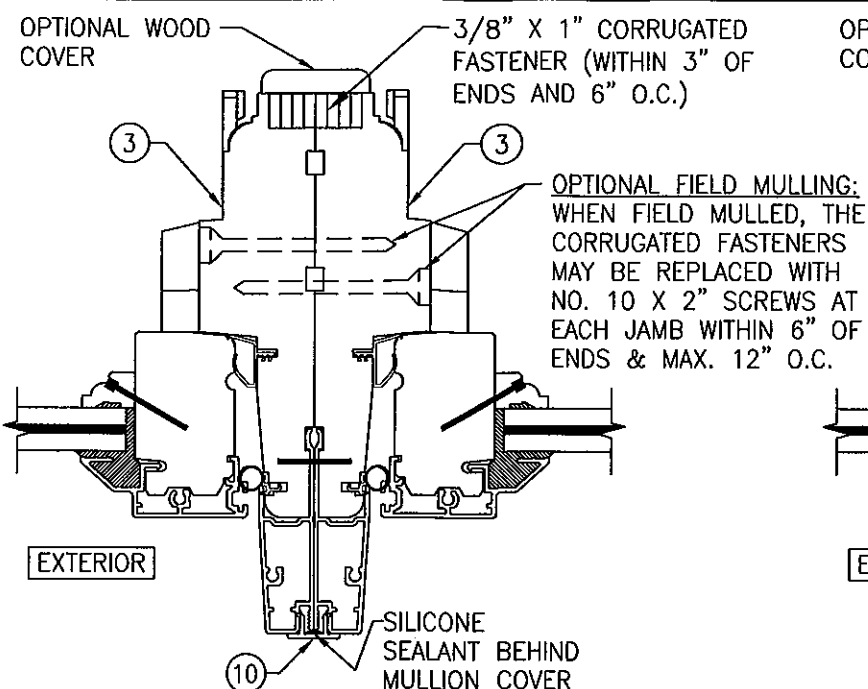


GLASS SHIM AS REQ'D TO SET OR LEVEL GLASS

TYPICAL GLAZING DETAIL

GLASS OPTIONS:

OPTION 1: 7/16" LAMINATED GLASS BY SOLUTIA (3/16" AN/0.09 SAFLEX IIIIG PVB/3/16" AN)
 OPTION 2: 7/16" LAMINATED GLASS BY DUPONT (3/16" AN/0.09 DUPONT SG/3/16" AN)



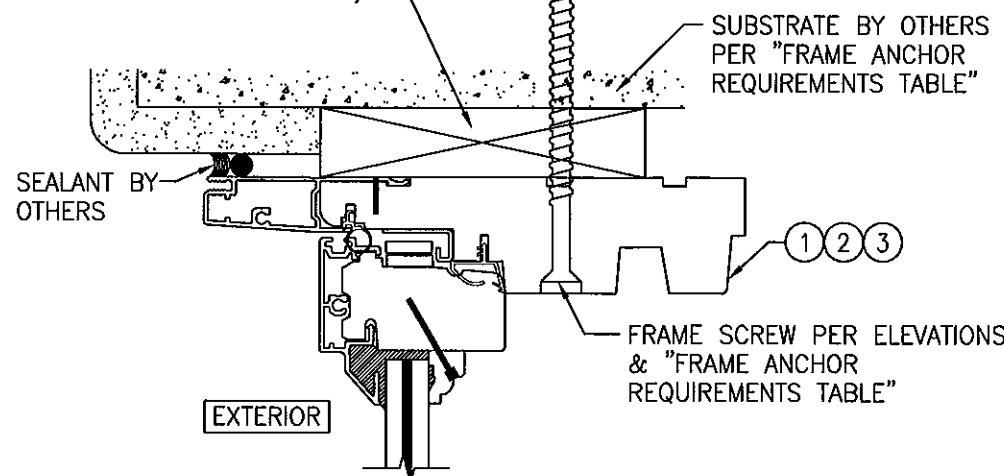
SECTION

SCALE: 1/2 FULL

(FOR DETAILS NOT SHOWN SEE OTHER SECTIONS)

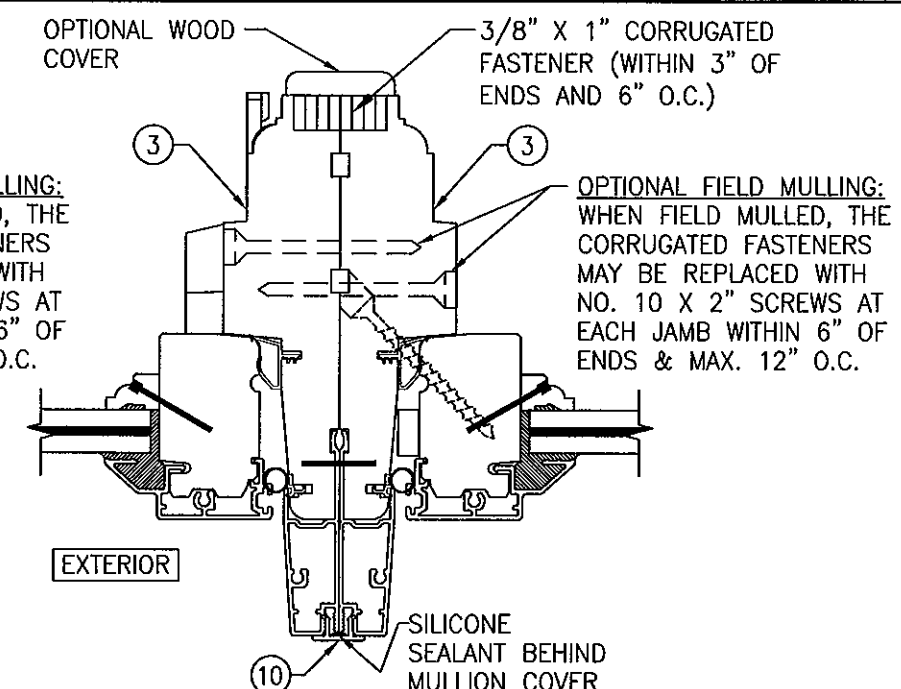
OPTIONAL FIELD MULLING: WHEN FIELD MULLED, THE CORRUGATED FASTENERS MAY BE REPLACED WITH NO. 10 X 2" SCREWS AT EACH JAMB WITHIN 6" OF ENDS & MAX. 12" O.C.

CONTINUOUS WOOD MEMBER LESS IN THICKNESS THAN A 2X_ BUCK TO BE MIN. 3 1/2" DEEP (NOT REQUIRED WHEN SHIM SPACE IS WITHIN ALLOWABLE DIMENSIONS SHOWN IN SECTIONS).



OPTIONAL DIRECT MOUNT DETAIL TO SUBSTRATE WITH SPACER

(HEAD SECTION SHOWN, SILL & SIDES ARE INSTALLED THE SAME)
 (FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)

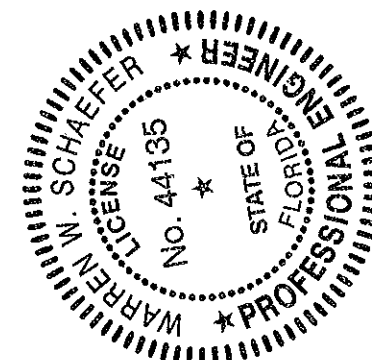


SECTION

SCALE: 1/2 FULL

(FOR DETAILS NOT SHOWN SEE OTHER SECTIONS)

PRODUCT REVISED as complying with the Florida Building Code
 Acceptance No. 11-1128-02
 Expiration Date July 1, 2014
 By *Mamuel Perez*
 Miami Dade Product Control



DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 02/04/09
NO.	DATE
BY	REVISION DESCRIPTION
NO.	REVISION DESCRIPTION
1206 ALUMINUM CLAD WOOD IMPACT CASEMENT WINDOW	
MANUFACTURER: WEATHER SHIELD WINDOWS & DOORS	
ONE WEATHER SHIELD PLAZA	
MEDFORD, WI 54451	
715-748-6555	
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)	
7480 150TH COURT NORTH	
PALM BEACH GARDENS, FL 33418	
PHONE: 561-744-3424	
CERTIFICATION	NOV 02 2011
WARREN W. SCHAEFER, P.E.	P.E. NO. 44135
DRAWING NO. 1583	REV. A
SHEET NO. 8	OF 9

